Z-plot for impedance across BLM

Legend:
- BLM on glass plates - experimental
- BLM on glass plates - Modeled 2R-1C series

Axis labels: $jX (k\Omega)$ vs $R(k\Omega)$

Capacitance of the BLM vs. applied frequency

Legend:
- Trial 1
- Trial 2

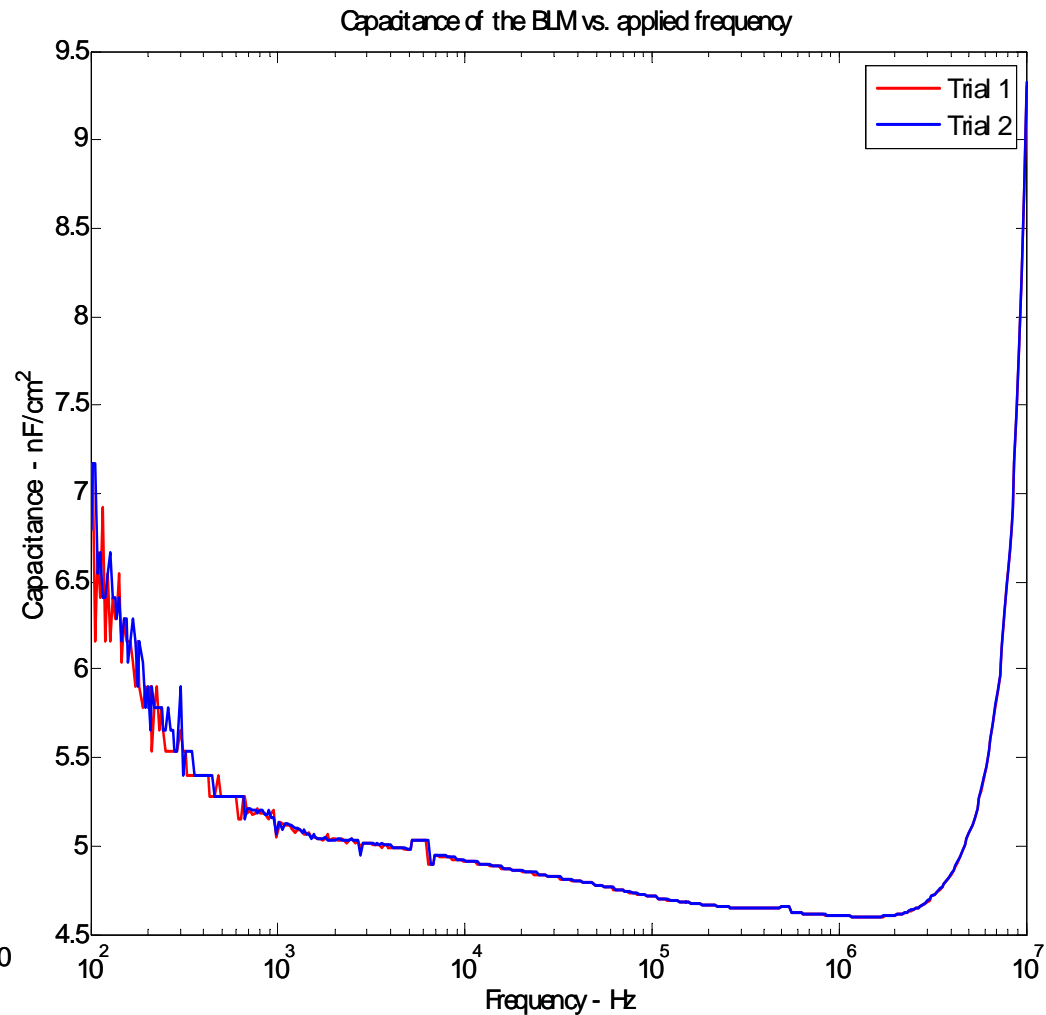Axis labels: Capacitance - nF/cm^2 vs Frequency - Hz

Z-plot of the 2R-1C equivalent model for the BLM shown above is used to obtain the capacitance of the BLM. Modeled capacitance and conductance of the membranes in each case $Cm\_nF = 6.3272$ (nF/cm^2) $Gm\_uS = 22.4557$ $(\mu S/cm^2)$

Modeled capacitance values agrees with the measured capacitance values for the POPS:POPE BLM, but the values are very small compared with what is observed in literature.